

Evaluation of the lake Lyabiazhie (Kazan, Russia) state by indicators of communities of hydrobionts

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Abstract

© Published under licence by IOP Publishing Ltd. The article presents the results of studies of zooplankton and zoobenthos communities of Lake Lebyazhye (Kazan, Russia) performed in 2015-2016. Over the past decades, under the influence of anthropogenic and natural factors, the level of water decreased and the area of Lake Lebyazhye decreased. Now the water level in the lake is artificially maintained by the supply of groundwater, which led to a change in the type of water, an increase in mineralization. As a result, species composition of zooplankton decreased, a complex of dominant species changed, and quantitative indicators of zooplankton and zoobenthos communities decreased. The results of studies of the zooplankton and zoobenthos communities of Lake Lebyazhye can be used to justify measures for the lake's eco-rehabilitation.

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